

WASD / ISD / SBD Workshop May 1, 2015

Water and Sewer Department Capital Improvement Program
Construction Contracts Meeting
WASD Douglas Building – Conference Room 156 A
2:00 to 5:00 pm

WASD CIP Overview



Existing Water Infrastructure

- Three (3) large regional water treatment plants
- Five (5) small water treatment plants
- 100 water supply wells
- 7,940 miles of pipes
- 39,000 fire hydrants
- 127,000 valves
- 455,000 water meters









Existing Wastewater Infrastructure

- Three (3) wastewater treatment plants
- Two (2) ocean outfalls (N & C)
- Twenty-one (21) deep injection wells
- 6,277 miles of pipes
- 1,042 sewer pump stations
- Eleven (11) treated water storage tanks









Deteriorated Infrastructure

- 10% older than 50 years old
- 42% are 25 to 50 years old
- Approx. 26% are less than 25 years old
- 22% are unknown age







Infrastructure Deficiencies

 Feb 2012 – BCC Reso-170-12 directed the Mayor to provide a report which addresses WASD's most critical infrastructure renewal needs









Current Regulatory Challenges

- Compliance with the Federal Clean Water Act (EPA Consent Decree)
- Compliance with the State 2008 Ocean Outfall Legislation
- Continued compliance with the requirements of the Safe Drinking Water Act
- Renewing undersized water mains in order to meet fire flow and water quality requirements
 - Failure to act will result in violations of law subject to fines and other enforcement actions





Other Needs

Rehabilitation & Replacement Related Needs

- Capital projects that address the rehabilitation and replacement of identified infrastructure
- •Failure to perform these projects could result in pipe failures and equipment breakdowns
- Consequently, service interruptions, sewage spills, and other permit violations could occur, subject to enforcement actions and fines

Growth & Development Related Needs

•Capital projects that address capacity limitations and other deficiencies in the system that restrict and/or limit construction and development projects





What does this mean to YOU and YOUR FIRM?

- OPPORTUNITY
- OPPORTUNITY
- OPPORTUNITY





WASD Multiyear Capital Improvement Program



Or

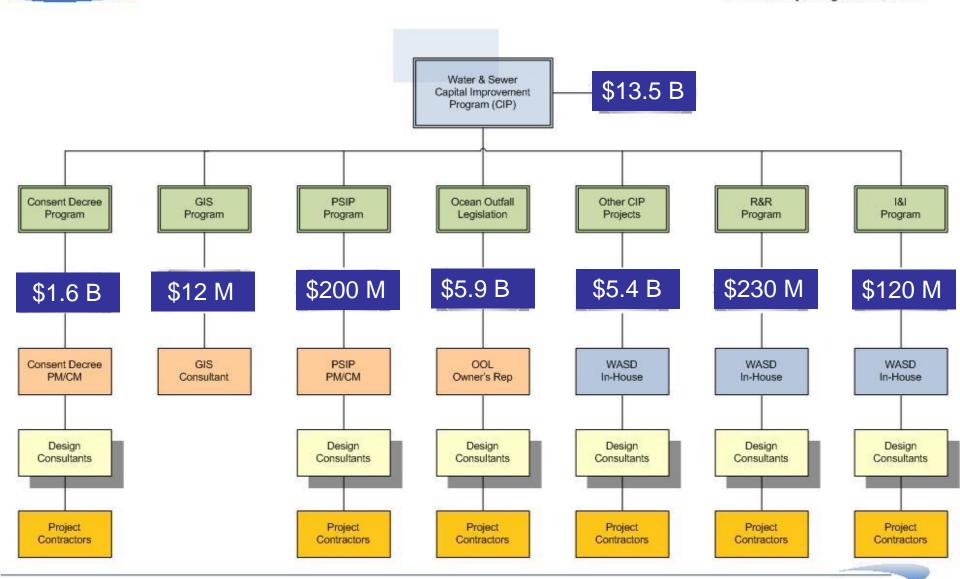
Current and future Opportunities





WASD CIP Table of Organization

Wednesday, August 27, 2014



WASD On-going & Future Projects





Consent Decree

Project Phase	WWTP	WCTS	TOTAL
Conse	ent Decree Projects (To	tal of 81)	80
Validation/Planning	18	3	21
Pre-Design	10	2	12
Design	10	12	22
Permitting	0	1	1
Procurement	5	2	7
Construction	6	6	12
Complete	3	3	6
TOTALS*	52	29	81
	child Projects (Total of	107)	30
Validation/Planning	7	37	44
Pre-Design	2	16	18
Design	6	7	13
Permitting	0	0	0
Procurement	2	9	11
Construction	4	4	8
Complete	1	11	12
TOTALS**	22	85	107

^{*}SEP project is not included in totals.





^{**} For CD projects with multiple child projects, the most advanced status (i.e. construction, etc.) is used to determine the CD Project status.













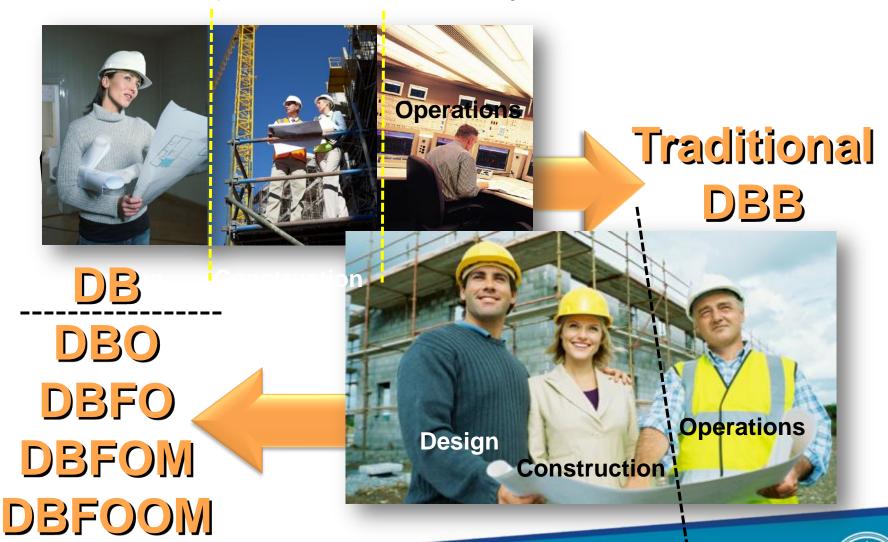
Design Consultants estimated needs

"DRAFT" CIP PROGRAM, FY 2014-2019								
Consultant Groupings	ESTIMATED FEE AMOUNT	PSA AGREEMENTS	PSA VALUE	SUBTOTAL	TOTAL			
Hydrogeological Design (Injection Wells)	\$787,921	1	\$1,000,000	\$1,000,000	\$1,000,000			
Instrumentation and Control, SCADA	\$2,914,565	1	\$3,000,000	\$3,000,000	\$3,000,000			
Service Facilities	\$4,342,319	2			\$5,000,000			
1st Tier - CBE Set-Aside		1	\$2,000,000	\$2,000,000				
2nd Tier - CBE Set-Aside		1	\$3,000,000	\$3,000,000				
Wastewater Pipelines-Large Diameter	\$23,721,641	4	\$6,000,000	\$24,000,000	\$24,000,000			
Wastewater Pipelines-Small Diameter	\$33,127,777	12			\$34,000,000			
1st Tier - CBE Set-Aside		5	\$2,000,000	\$10,000,000				
2nd Tier - CBE Set-Aside		4	\$3,000,000	\$12,000,000				
PSA with - CBE Measure		3	\$4,000,000	\$12,000,000				
Wastewater Pump Stations-Local	\$28,887,203	10			\$24,000,000			
1st Tier - CBE Set-Aside		6	\$2,000,000	\$12,000,000				
2nd Tier - CBE Set-Aside		4	\$3,000,000	\$12,000,000				
Wastewater Pump Stations-Regional	\$8,579,510	1	\$8,000,000	\$8,000,000	\$8,000,000			
Wastewater Treatment Plants	\$18,948,246	1	\$20,000,000	\$20,000,000	\$20,000,000			
Water Treatment Plants and Related Facilties	\$9,477,419	1	\$10,000,000	\$10,000,000	\$10,000,000			
GRAND TOTAL	\$130,786,601	33			\$129,000,000			





Project Delivery Methods





HOW WILL PROJECTS BE CONTRACTED? All modes of Procurement

- MCC 7040 Contracts
- 7360 Program
- Accelerate Ordinance
- EDP Program
- Traditional Design-Bid-Build
- Design-Build
- CM At Risk
- P3 Private Public Partnerships





Summary

- Significant investment is required over the next few years (\$13.5B)
- Facilities and operations investment is needed
- Accommodating future growth and development is essential for the economic vitality of the County
- Meeting regulatory mandates is critical
- All project delivery alternatives are being fully explored and evaluated. The best ROI Alternative will be selected for implementation.





How Do I prepare and get Involved?

- Stay Informed; seek and request information
- Partner with MDWASD to meet aggressive CIP schedules
- Bring new ideas for expediting project delivery
- Help MDWASD exceed small business initiative goals
- Be an advocate for MDWASD
- Network with your colleagues (designers and constructors)
- Training (WASD is going to implement programs)





Questions???

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Small Business Development (SBD), a division of the Internal Services Department, is Miami-Dade County's advocate for small businesses

Certification:

SBD certifies small businesses in construction, architectural, engineering, goods and services

- SBD has dedicated staff to certify firms seeking work with Water and Sewer
- With <u>complete documentation</u>, certification will be completed in as little as 15 days



Certification Requirements:

- Actual Place of business in Miami-Dade County
- Local Business Tax Receipt for 1 Year prior to certification
- Personal Net Worth does not exceed \$1.5 Million for each owner.
- 3 Year Average gross receipts thresholds
- Local and State license (when required)
- Qualifier must have ownership of firm



SMALL BUSINESS DEVELOPMENT (SBD)

Program Requirements:

Architectural & Engineering

- ✓ Must have 3-year average gross revenues not exceeding:
 - \$4.5 million for architectural
 - \$6 million for engineering, landscape architecture, and surveying and mapping services
- ✓ Qualifier must hold a minimum 25% interest/ownership of the firm

Construction

- ✓ Must have 3-year average gross revenues not exceeding:
 - \$10,000,000 for SIC 15/NAICS 233 (Building Construction General Contractors and Operative Builders)
 - \$6,000,000 for SIC 16/NAICS 234 (Heavy Construction other than Building Construction)
 - \$5,000,000 for SIC 17/NAICS 235 (Specialty Trade Contractors)
- ✓ Qualifier must hold a minimum 10% of interest/ownership of the firm

Goods & Services

- ✓ Must have 3-year average gross revenues not exceeding \$5 million
- ✓ When applicable, qualifier must hold 10% interest/ownership of the firm

http://www.miamidade.gov/internalservices/small-business.asp

WASD Industry Meeting

Internal Services Department: "Connect with us on Twitter: @MiamiDadelSD"



Project Review and Analysis:

- SBD provides contracting opportunities through the application of Small Business program measures
 - ✓ Analyze projects prior to advertisement for small business contracting opportunities
 - ✓ Verification of availability conducted for applicable trades areas to determine and support recommendation of measures
 - ✓ Measures may include set-asides, trade set-asides or overall contract goals



Contract Monitoring and Compliance:

- SBD Monitors County contracts to ensure compliance with the following:
 - ✓ Small business contract goals
 - ✓ Responsible and living wages
 - ✓ Community Workforce Program Minimum 10% of workforce must reside in Designated Target Area
 - ✓ Residents First Program 51% of workforce must reside in Miami Dade County



MISCELLANEOUS CONSTRUCTION CONTRACTS (MCC) PROGRAM MCC 7040 PLANS

- 100% set-aside for Small Business Enterprise (SBE) Construction Firms
- Contractors must be certified by SBD prior to be added to the pool
- Contracts valued up to \$5 million

REGISTRATION REQUIREMENTS FOR PARTICIPATION

- Register as a Vendor
- Application to MCC program
- Copy of State of Florida and/or Miami-Dade County Contractor License
- Copy of proof of insurance



MISCELLANEOUS CONSTRUCTION CONTRACTS (MCC) PROGRAM MCC 7360 PLANS

- Open and competitive for all firms
- Advertised every Thursday in the Daily Business Review and Internal Service Department's website
- Contracts valued up to \$5 million

REGISTRATION REQUIREMENTS PRIOR TO AWARD

- Register as a Vendor
- Copy of State of Florida and/or Miami-Dade County Contractor License
- Copy of proof of insurance

